

NOVEMBER/DECEMBER 2025

**23UMB52 — VIROLOGY AND
PARASITOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Tissue culture.
2. What are capsids?
3. Name two Paramyxo viruses.
4. What is the causative agent of chickenpox?
5. Define zoonotic virus.
6. Tell about Dengue.
7. What is the vector of African trypanosomiasis?
8. Which disease is called oriental sore?
9. What is Fertilized egg?
10. Define Iodine wet mount.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Summarize virus cultivation in embryonated eggs.

Or

- (b) Demonstrate the general properties of virus.

12. (a) Outline the laboratory diagnosis of Rabies virus.

Or

- (b) Explain the pathogenesis of polio virus.

13. (a) Explain about swine flu.

Or

- (b) Demonstrate in detail about Viral vaccines.

14. (a) Demonstrate the morphology and life cycle of *Entamoeba histolytica*.

Or

- (b) Summarize about *Giardia lamblia*.

15. (a) Outline the sedimentation technique in parasitology.

Or

- (b) Summarize the Direct examination of Faeces.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail about Baltimore classification of virus.

17. Classify Hepatitis viruses and explain their clinical features and prevention.

18. Elaborate notes on Antiviral agents.

19. Discuss about the morphology, life cycle and laboratory diagnosis of *Leishmania donovani*.

20. Outline the morphology, life cycle and diagnosis of *Taenia solium*.